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U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

Attorney Docket No.

10001-002003

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Serial No.

Applicant

A. Pinard

(37 CFR §1.98(b))

Filing Date

July 3, 2003

U.S. PATENTS ,

Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
46	6,295,737	Oct. 2, 2001	Patton et al.	33	18.1	
	6,135,654	Oct. 24, 2000	Jennel	400	61	·
	6,106,107	Aug. 22, 2000	Sheinman	347	75	
	6,102,536	Aug. 15, 2000	Jennel	347	100	
	6,003,980	Dec. 21, 1999	Sheinman et al.	347	78	
	5,969,733	Oct. 19, 1999	Sheinman	347	75	
	5,960,933	Oct. 5, 1999	Albrecht	198	689.1	
	*5,946,454	Aug. 31, 1999	Shu et al.	- 395 358	109 1.9	
	5,870,112	Feb. 9, 1999	Kang et al.	347	9	
	5,825,391	Oct. 20, 1998	Yang	347	106	
	*5,700,692	Dec. 23, 1997	Sweet	436	50	
	*5,696,593	Dec. 9, 1997	Chiba et al.	358	296	
	5,570,632	Nov. 5, 1996	Cumens et al.	101	35	
	5,534,904	July 9, 1996	Sheinman	347	75	
	5,423,617	Jun. 13, 1995	Marsh et al.	400	82	
	5,328,438	Jul. 12, 1994	Crowley	493	187	
	5,202,772	Apr. 13, 1993	Muir	358	1,9	
	+5,182,803	Jan. 26, 1993	Rodi et al.	-395-744	575 47	
	4,999,646	Mar. 12, 1991	Trask	346347	AT 41	
	4,967,203	Oct. 30, 1990	Doan et al.	346-347	AT 41	
	4,965,593	Oct. 23, 1990	Hickman	346347	140-41	
	4,963,882	Oct. 16, 1990	Hickman	-248347	4141	
	*4,942,462	Jul. 17, 1990	Shiota	358	26 509	
	4,800,396	Jan. 24, 1989	Hertz	346347	++79	
	4,748,453	May 31, 1988	Lin et al.	346347	47-41	
	*4,667,830	May 26, 1987	Nozaki, Jr. et al.	209	3.1	
	*4,620,198	Oct. 28, 1986	Behun	.346347	75 43	
	•4,598,299	Jul. 1, 1986	Koike et al.	-346347	1549	
	*4,562,442	Dec. 31, 1985	Jinnai et al.	340347	7576	
	*4,525,721	Jun. 25, 1985	Crean	246347	#76	
HP	*4,467,366	Aug. 1984	Bobick et al.	347	- 3× - 3	

					Sheet 2 o	
•4,424,518	Jan. 3, 1984	Suzuki et al.	346347	759		
*4,424,518	Jan, 1984	Suzuki eraî.	347	_41	Duplica	
*4,395,716	Jul. 1983	Crean et al.	347	4 1× 76		
*4,384,295	May 17, 1983	Lewis et al.	346347	75 77		
*4,364,057	Dec. 14, 1982	Ebi et al.	-346347	75-81		
*4,321,607	Mar. 23, 1982	Heibein et al.	-346347	7579	-	
*4,314,258	Feb. 2, 1982	Donahue et al.	3463 4 7	<i>45</i> 77		
*4,085,409	Apr. 18, 1978	Paranjpe	-246247	15 77	•	
*4,069,485	Jan. 17, 1978	Martin	246 347	78-12		
*4,065,773	Dec. 27, 1977	Berry	-346347	2515		
*4,051,485	Sept. 27, 1977	Yamada	246347	2512		
3,977,007	Aug. 1976	Berry et al.	347	15		
*3,972,052	July 27, 1976	Atumi et al.	-339347	78		
*3,928,718	Dec. 23, 1975	Sagae et. al.	178358	66-296		
*3,895,386	July 15, 1975	Keur et al.	.346347	+77		
*3,828,354	Aug. 6, 1974	Hilton	346347	+ 79		
*3,827,057	July 30, 1974	Bischoff et al.	345347	25 79		
*3,723,646	Mar. 1973	Behane et al.	.347 358	24×300		
*3,596,275	July 27, 1971	Sweet	246347	-75 74		
*3,562,757	Feb. 9, 1971	Bischoff	-346-347	+76		
*3,373,437	Mar. 12, 1968	Sweet et al.	246347	25 74	-	
*3,298,030	Jan 10, 1967	Lewis et al.	.346347	75-74		
FORE	IGN PATENT O	R PUBLISHED FOREIGN PATENT A	PPLICATION	ON		
Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)	
DE 3526769	Jan. 29, 1987	Germany	B41M		по	
GB 2335885	Oct. 6, 1999	Great Britain	B41M			
JP 7052525A	Feb. 28, 1995	Japan	B41M	_	abstract	
JP 5318715	Dec. 3, 1993	Japan		_	yes	
JP 5293955 A	Nov. 9, 1993	Japan	B413	_	abstract	
JP 60052356 A	Mar. 25, 1985	Japan	_		yes	
JP 60107975	June 13, 1985	Japan		_	yes	
JP 2001315316 A	Nov 13, 2001	Japan	B 41 J		abstract	
WO 97/42034	Nov. 13, 1997	WIPO	B 4H	_		
WO 97/27053	July 31, 1997	WIPO	B417			
OTHER DOC	UMENTS (INCLU	JDING AUTHOR, TITLE, DATE, PLAC	E OF PUBI	JCATION)		
*Ghouse, "Simulati the 1978 Summer C	on of a Nonlinear Computer Simulati	Fluid System Servo for Drop Flightime Con Conference, abstract, 1978	Control in an	Ink-Jet Printer	," Proceedings of	
*Heinzl and Hertz, "Ink-Jet Printing," Advances in Electronics and Electron Physics, Vol. 65, pp. 91-171, 1985						
	*4,424,518 *4,395,716 *4,384,295 *4,364,057 *4,314,258 *4,069,485 *4,065,773 *4,051,485 3,977,007 *3,972,052 *3,928,718 *3,895,386 *3,828,354 *3,828,354 *3,827,057 *3,723,646 *3,596,275 *3,723,646 *3,596,275 *3,733,437 *3,298,030 FORE Document Number DE 3526769 GB 2335885 JP 7052525A JP 5318715 JP 5293955 A JP 60052356 A JP 60107975 JP 2001315316 A WO 97/42034 WO 97/42034 WO 97/27053 OTHER DOCU	*4,424,518 Jan, 1984 *4,395,716 Jul. 1983 *4,364,057 Dec. 14, 1982 *4,321,607 Mar. 23, 1982 *4,314,258 Feb. 2, 1982 *4,085,409 Apr. 18, 1978 *4,069,485 Jan. 17, 1978 *4,065,773 Dec. 27, 1977 *4,051,485 Sept. 27, 1977 3,977,007 Aug. 1976 *3,972,052 July 27, 1976 *3,928,718 Dec. 23, 1975 *3,895,386 July 15, 1975 *3,828,354 Aug. 6, 1974 *3,723,646 Mar. 1973 *3,73,437 Mar. 12, 1968 *3,298,030 Jan 10, 1967 FOREIGN PATENT Of Document Number Publication Date DE 3526769 Jan. 29, 1987 GB 2335885 Oct. 6, 1999 JP 7052525A Feb. 28, 1995 JP 5318715 Dec. 3, 1993 JP 60052356 A Mar. 25, 1985 JP 60107975 June 13, 1985 JP 2001315316 A Nov. 13, 1997 WO 97/42034 Nov. 13, 1997 OTHER DOCUMENTS (INCLU *Ghouse, "Simulation of a Nonlinear the 1978 Summer Computer Simulation of the Control	**4,424,518	*4,424,518	**4,424,518**	

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JAN 0 9 2004

*IBM Journal of Research and Development, Vol. 21, No. 1, pp. 1-96, January 1997

ide

*Samuelson, "Ink Jet Printing of Color Images, Dither Matrix and Halftone Methods," Department of Electrical Measurements, Lund Institute of Technology, pp. 58-59, August, 1985.

EXAMINER

Hairly Phan

DATE CONSIDERED

t/01/04

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

* A copy of this reference is not provided as it was previously cited by or submitted to the Office in one or more prior applications, including Serial No. 09/041,211, filed on March 12, 1998, and Serial No. 09/689,370 filed October 12, 2000, respectively, relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications).

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